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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 1

of 7

Complete if Known

Application Number	10/666,333
Filing Date	September 17, 2003
First Named Inventor	Guillermo C. Bazan
Art Unit	1641
Examiner Name	Malanie J. Yu

Attorney Docket Number 51871-000005

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.*	Document Number Country Code* Number* Kind Code* (# known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
GA	144	US 4,948,843 A	08-14-1990	Roberts et al.	
	145	US 4,950,587 A	08-21-1990	Roberts et al.	
	146	US 5,408,109 A	04-18-1995	Heeger et al.	
	147	US 5,612,221 A	03-18-1997	Simons et al.	
	148	US 5,869,350 A	02-09-1999	Heeger et al.	
	149	US 5,881,083 A	03-09-1999	Diaz-Garcia et al.	
	150	US 5,968,762 A	10-19-1999	Jadamec et al.	
	151	US 5,990,479 A	11-23-1999	Weiss et al.	
	152	US 6,280,933 B1	08-28-2001	Glazer et al.	
	153	US 6,534,329 B1	03-18-2003	Heeger et al.	
	154	US 6,743,640 B1	06-01-2004	Whitten	
	155	US 2002/0009728 A1	01-24-2002	Bittner	
	156	US 2002/0034747 A1	03-21-2002	Bruchez	
	157	US 2002/0150759 A1	10-17-2002	Jones	
	158	US 2002/0177136 A1	11-28-2002	McBranch	
	159	US 2003/0054413 A1	03-20-2003	Kumaraswamy	
	160	US 2004/0241768 A1	12-02-2004	Whitten	
	161	US 60/202,647	05-08-2000	Whitten	
CA	162	US 60/226,902	08-23-2000	Whitten	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No.*	Foreign Patent Document Country Code* Number* Kind Code* (# known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
JA	163	WO 99/35288 A1	07-15-1999	Minnesota Mining and Manufacturing Company	
	164	WO 00/14278 A1	03-16-2000	The Secretary of State for Defence	
	165	WO 00/66790 A1	11-09-2000	The Regents of the University of California	
	166	WO 02/081735 A2	10-17-2002	Infecto Diagnostics (I.D.I.) Inc.	
CA	167	WO 2004/001379 A2	12-31-2003	The Regents of the University of California	

Examiner Signature	<i>Ally A. Sinojsky</i>	Date Considered	11/4/5, 2005
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2

-of-17

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Application Number	10/666,333
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First Named Inventor	Guillermo C. Bazan
Art Unit	1641
Examiner Name	Malanie J. Yu
Attorney Docket Number	151871-000005

U. S. PATENT DOCUMENTS

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Algo Asi, Rusia

Date _____

May 5, 2005

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		Examiner Name	Malanie J. Yu
Sheet	3	of	7
		Attorney Docket Number	51871-000005

NON PATENT LITERATURE DOCUMENTS

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G.A.	174	Wang et al., "Size-Specific Interactions Between Single- and Double-Stranded Oligonucleotides and Cationic Water-Soluble Oligofluorenes", Adv. Funct. Mater., June 2003, 13(6), 463-467.	
	175	Stork et al., "Energy Transfer in Mixtures of Water-Soluble Oligomers: Effect of Charge, Aggregation, and Surfactant Complexation", Adv. Mater., March 2002, 14(5), 361-366.	
	176	Leclerc, "Optical and Electrochemical Transducers Based on Functionalized Conjugated Polymers", Adv. Mater., 1999, 11(18), 1491-1498.	
	177	Balakin et al., "Conjugates of oligonucleotides with polyaromatic fluorophores as promising DNA probes", Biosensors & Bioelectronics, 1998, 13, 771-778.	
	178	Ho et al., "Colorimetric and Fluorimetric Detection of Nucleic Acids Using Cationic Polythiophene Derivatives", Angew. Chem. Int. Ed., 2002, 41(9), 1548-1551.	
	179	McQuade et al., "Conjugated Polymer-Based Chemical Sensors", Chem. Rev., 2000, 100, 2537-2574.	
	180	Chen et al., "Highly sensitive biological and chemical sensors based on reversible fluorescence quenching in a conjugated polymer", PNAS, October 1999, 96(22), 12287-12292.	
	181	Liu et al., "Effect of Chromophore-Charge Distance in the Energy Transfer Properties of Water-Soluble Conjugated Oligomers", J. Am. Chem. Soc., 2003, 125, 6705-6714.	
	182	Gaylord et al., "DNA detection using water-soluble conjugated polymers and peptide nucleic acid probes", PNAS, August 2002, 99(17), 10954-10957.	
G.A.	183	Bronich et al., "Recognition of DNA Topology in Reactions between Plasmid DNA and Cationic Copolymers", J. Am. Chem. Soc., September 2000, 122(35), 8339-8343.	

Examiner Signature	<i>Olga A. Smirsky</i>	Date Considered	<i>11/4/5, 2003</i>
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GA	184	Chen et al., "Tuning the Properties of Conjugated Polyelectrolytes through Surfactant Complexation", J. Am. Chem. Soc., 2000, 122, 9302-9303.	
	185	Gaylord et al., "Water-Soluble Conjugated Oligomers: Effect of Chain Length and Aggregation on Photoluminescence-Quenching Efficiencies", J. Am. Chem. Soc., 2001, 123, 6417-6418.	
	186	Hong et al., "Water-Soluble Oligomer Dimers Based on Paracyclophane: A New optical Platform for Fluorescent Sensor Applications", J. Am. Chem. Soc., 2002, 124, 11868-11869.	
	187	Gaylord et al., "DNA Hybridization Detection with Water-Soluble Conjugated Polymers and Chromophore-Labeled Single-Stranded DNA", J. Am. Chem. Soc., 2003, 125, 898-900.	
	188	Zhou et al., "Fluorescent Chemosensors Based on Energy Migration in Conjugated Polymers: The Molecular Wire Approach to Increased Sensitivity", J. Am. Chem. Soc., 1995, 117, 12593-12602.	
	189	Zhou et al., "Methodology for Enhancing the Sensitivity of Fluorescent Chemosensors: Energy Migration in Conjugated Polymers", J. Am. Chem. Soc., 1995, 117, 7017-7018.	
	190	Hawkins et al., "Incorporation of a fluorescent guanosine analog into oligonucleotides and its application to a real time assay for the HIV-1 integrase 3'-processing reaction", Nucleic Acids Research, 1995, 23(15), 2872-2880.	
	191	Cardullo et al., "Detection of Nucleic Acid Hybridization by Nonradiative Fluorescence Resonance Energy Transfer", Proc. Natl. Acad. Sci. USA, December 1998, 85, 8790-8794.	
	192	Gallot et al., "Poly(L-lysine) containing azobenzene units in the side chains: influence of the degree of substitution on liquid crystalline structure and thermotropic behaviour", Liquid Crystals, 1997, 23(1), 137-146.	
GA	193	Wang et al., "Biosensors from conjugated polyelectrolyte complexes", PNAS, January 2002, 99(1), 49-53.	

Examiner Signature	Debra A. Sivakovsky	Date Considered	May 5, 2005
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CH	194	Liu et al., "Methods for strand-specific DNA detection with cationic conjugation polymers suitable for incorporation into DNA chips and microarrays", PNAS Early Edition, December 2004, p. 1-5	
	195	Vehse et al., "Light Amplification by Optical Excitation of a Chemical Defect in a Conjugated Polymer", Adv. Mater., June 2004, 16(12), 1001-1004.	
	196	Liu et al., "Shape-Adaptable Water-Soluble Conjugated Polymers", J. Am. Chem. Soc., 2003, 125, 13306-13307.	
	197	Liu et al., "Interpolyelectrolyte Complexes of Conjugated Copolymers and DNA: Platforms for Multicolor Biosensors", J. Am. Chem. Soc., 2004, 126, 1942-1943.	
	198	Huang et al., "High-Efficiency, Environment-Friendly Electroluminescent Polymers with Stable High Work Function Metal as a Cathode: Green- and Yellow-Emitting Conjugated Polyfluorene Polyelectrolytes and Their Neutral Precursors", J. Am. Chem. Soc., 2004, 126, 9845-9853.	
	199	Service, "DNA Analysis: Microchip Arrays Put DNA on the Spot", The American Association for the Advancement of Science, October 1998, 282(5388), 396-399.	
	200	Southern, "DNA chips: analysing sequence by hybridization to oligonucleotides on a large scale", TIG, March 1996, 12(3), 110-115.	
	201	Epstein et al., "Microarray technology - enhanced versatility, persistent challenge", Current Opinion in Biotechnology, 2000, 11, 36-41.	
	202	Heeger et al., "Making Sense of polymer-based biosensors", PNAS, October 1999, 96(22), 12219-12221.	
DA	203	Patel et al., "Energy transfer analysis of Fos-Jun dimerization and DNA binding", Proc. Natl. Sci. USA, July 2994, 91, 7360-7364.	

Examiner Signature

Chen Asinovsky

Date Considered

May 5, 2005

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O.A	204	Lohse et al., "Fluorescein-Conjugated Lysine Monomers for Solid Phase Synthesis of Fluorescent Peptides and PNA Oligomers", Bioconjugate Chem., 1997, 8, 503-509.	
	205	Smith et al., "The synthesis of oligonucleotides containing an aliphatic amino group at the 5' terminus: synthesis of fluorescent DNA primers for use in DNA sequence analysis", Nucleic Acids Research, 1985, 13(7) 2399-2412.	
	206	Wintermeyer et al., "Fluorescent Derivatives of Yeast tRNA(TM)", Eur. J. Biochem., 1979, 98, 465-475.	
	207	Lipshutz et al., "High density synthetic oligonucleotide arrays", Nature Genetics Supplement, January 1999, 21, 20-24.	
	208	Nilsson et al., "Chip solution detection of DNA hybridization using a luminescent zwitterionic polythiophene derivative", Nature Materials, June 2003, 2, 419-424 (Supplementary Information pp. 1-2).	
	209	Dore et al., "Fluorescent Polymeric Transducer for the Rapid, Simple, and Specific Detection of Nucleic Acids at the Zeptomole Level", J. Am. Chem. Soc., 2004, 126, 4240-4244.	
	210	Ranade et al., "High-Throughput Genotyping with Single Nucleotide Polymorphisms", Genome Research, 2001, 11, 1262-1268.	
	211	Schork et al., "Single nucleotide polymorphisms and the future of genetic epidemiology", Clin. Genet., 2000, 58, 250-264.	
	212	Wang et al., "Optically Amplified RNA-Protein Detection Methods Using Light-Harvesting Conjugated Polymers", Adv. Mater., September 2003, 15(17), 1425-1428.	
O.A	213	Liu et al., "Homogeneous Fluorescent-Based DNA Detection with Water-Soluble Conjugated Polymers", Chem. Mater., 2004, 16, 4467-4476.	

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Alpa A. Sivinsky

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C-A	214	Wolcott, "Advances in Nucleic Acid-Based Detection Methods", Clinical Microbiology Reviews, October 1992, 5(4), 370-386.	
	215	Umek et al., "Electronic Detection of Nucleic Acids, A Versatile Platform for Molecular Diagnostics", Journal of Molecular Diagnostics, May 2001, 3(2), 74-84.	
	216	Stevens et al., "Exciton dissociation mechanisms in the polymeric semiconductors poly(9,9-diocetylfluorene) and poly(9,9-diocetylfluorene-co-benzothiadiazole)", Physical Review B, April 2001, 63, 1-18.	
	217	Wang, "Survey and Summary From DNA biosensors to gene chips", Nucleic Acids Research, 2000, 28(16), 3011-3016.	
C-A	218	Beier et al., "Versatile derivatisation of solid support media for covalent bonding on DNA-microchips", Nucleic Acids Research, 1999, 27(9), 1970-1977.	

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Alps Asinodsky

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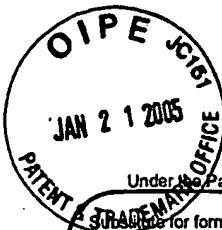
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STRAIGHTFORWARD FORM FOR FORM 1449/PTO

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O A	1	BALAKIN, K.V. et al. Conjugates of oligonucleotides with polyaromatic fluorophores as promising DNA probes ¹ : <i>Biosensors and Bioelectronics</i> (1998) 13:771-778.	
	2	BARDEA, A. et al. Sensing and amplification of oligonucleotide-DNA interactions by means of impedance spectroscopy: a route to a Tay-Sachs sensor; <i>Chem. Commun.</i> (1999) 21-22.	
	3	BAUR, J.W., et al. Thin-Film Light-Emitting Devices Based on Sequentially Adsorbed Multilayers of Water-Soluble Poly (p-phenylene)s; <i>Advanced Materials</i> (1998) 10:17:1452-1455.	
	4	BEHR, J.P. Synthetic Gene-Transfer Vectors; <i>Acc. Chem. Res.</i> (1993) 26: 274-278.	
	5	BEHR, J.P. DNA Strongly Binds to Micelles and Vesicles Containing Lipopolyamines or Lipointercalants; <i>Tetrahedron Lett.</i> (1986) 27:48:5861-5864.	
	6	BENSON, S.C. et al. Heterodimeric DNA-binding dyes designed for energy transfer: synthesis and spectroscopic properties; <i>Nucleic Acids Res.</i> (1993) 21:24:5727-5735.	
	7	BETTS, L., et al. A Nucleic Acid Triple Helix Formed by a Peptide Nucleic Acid-DNA Complex; <i>Science</i> (1995) 270: 1838-1841.	
	8	BHATTACHARYA, S. and MANDAL, S.S. Interaction of surfactants with DNA. Role of hydrophobicity and surface charge on intercalation and DNA melting; <i>Biochim. et Biophys. Acta.</i> (1997) 1323:29-44.	
	9	BHATTACHARYA, S. and MANDAL, S.S. Role of hydrophobic effect and surface charge in surfactant-DNA association; <i>Indian J. Biochem. & Biophys.</i> (1997) 34:11-17.	
	10	BIER, F.F. and KLEINJUNG, F. Feature-size limitations of microarray technology - a critical review; <i>Fresenius J. Anal. Chem.</i> (2001) 371:151-156.	
	11	BIRNBOIM, H.C. and JEVCAK, J.J. Fluorometric Method for Rapid Detection of DNA Strand Breaks in Human White Blood Cells Produced by Low Doses of Radiation; <i>Cancer Res.</i> (1981) 41:1889-1892.	
	12	BLESSING, T. et al. Monomolecular collapse of plasmid DNA into stable virus-like particles; <i>Proc. Natl. Acad. Sci. USA</i> (1998) 95:1427-1431.	
	13	BRONICH, T.K. et al. Recognition of DNA Topology in Reactions between Plasmid DNA and Cationic Copolymers; <i>J. Am. Chem. Soc.</i> (2000) 122:35:8339-8343.	
O A	14	CARDULLO, R.A. et al. Detection of nucleic acid hybridization by nonradiative fluorescence resonance energy transfer; <i>Proc. Natl. Acad. Sci. USA</i> (1988) 85:8790-8794.	

Examiner's Signature

Olga Asinovskaya

Date

Considered

May 5, 2005

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Sheet	2	of	11	Attorney Docket Number
				51871-000005

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O A	15	CASTRO, A. and WILLIAMS, J.G.K. Single-molecule detection of specific nucleic acid sequences in unamplified genomic DNA; <i>Anal. Chem.</i> (1997) 69:19:3915-3920.	
	16	CHANDAR, P. et al. Fluorescence probe investigation of anionic polymer-cationic surfactant interactions; <i>Macromolecules</i> (1988) 21:950-953.	
	17	CHEHAB, F.F. and KAN, Y.W. Detection of specific DNA sequences by fluorescence amplification: A color complementation assay; <i>Proc. Natl. Acad. Sci. USA</i> (1989) 86:9178-9182.	
	18	CHEN, L. and FRANKEL, A.D. A peptide interaction in the major groove of RNA resembles protein interactions in the minor groove of DNA; <i>Proc. Natl. Acad. Sci. USA</i> (1995) 92:5077-5081.	
	19	CHEN, L. et al. Highly sensitive biological and chemical sensors based on reversible fluorescence quenching in a conjugated polymer; <i>Proc. Natl. Acad. Sci. USA</i> (1999) 96:22:12287-12292.	
	20	CHEN, W. et al. Using Ethidium Bromide to Probe the Interactions between DNA and Dendrimers; <i>Langmuir</i> (2000) 16:15-19.	
	21	DELLING, U. et al. The number of positively charged amino acids in the basic domain of Tat is critical for trans-activation and complex formation with TAR RNA; <i>Proc. Natl. Acad. Sci. USA</i> (1991) 88:6234-6238.	
	22	DEMIDOV, V.V. PNA and LNA throw light on DNA; <i>Trends in Biotechnology</i> (2003) 21:1:4-7.	
	23	DEMIDOV, V.V. et al. Stability of peptide nucleic acids in human serum and cellular extracts; <i>Biochem. Pharmacol.</i> (1994) 48:6:1310-1313.	
	24	DIDENKO, V.V. DNA Probes Using Fluorescence Resonance Energy Transfer (FRET): Designs and Applications; <i>BioTechniques</i> (2001) 31:5:1106-1121.	
	25	DOGARIU, A. et al. Time-resolved Förster energy transfer in polymer blends; <i>Synthetic Metals</i> (1999) 100:95-100.	
	26	DUFOURQ, J. et al. Molecular assembling of DNA with amphipathic peptides; <i>FEBS Lett.</i> (1998) 421:7-11.	
	27	EASTMAN, S.J. et al. Biophysical characterization of cationic lipid: DNA complexes; <i>Biochim. et Biophys. Acta</i> (1997) 1325:41-62.	
O A	28	EGHOLM, M. et al. PNA hybridizes to complementary oligonucleotides obeying the Watson-Crick hydrogenbonding rules; <i>Nature</i> (1993) 365:566-568.	

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Sheet

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of

11

Application Number

10/666,333

Filing Date

September 17, 2003

First Named Inventor

Guillermo C. Bazan

Art Unit

1641

Examiner Name

Malanie J. Yu

Attorney Docket Number

51871-000005

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OA	29	EGHOLM, M. et al. Recognition of Guanine and Adenine in DNA by Cytosine and Thymine Containing Peptide Nucleic Acids (PNA); <i>J. Am. Chem. Soc.</i> (1992) 114:9677-9678.	
	30	ENGLEBIENNE, P. Synthetic materials capable of reporting biomolecular recognition events by chromic transition; <i>J. Mater Chem.</i> (1999) 9:1043-1054.	
	31	ESKILSSON, K. et al. DNA-Surfactant Complexes at Solid Surfaces; <i>Langmuir</i> (2001) 17:1666-1669.	
	32	FELGNER, P.L. et al. Nomenclature for Synthetic Gene Delivery Systems; <i>Hum. Gene Ther.</i> (1997) 8:511-512.	
	33	FERGUSON, B.Q. and YANG, D.C.H. Localization of Noncovalently Bound Ethidium in Free and Methionyl-tRNA Synthetase Bound tRNA ^{Met} by Singlet-Singlet Energy Transfer; <i>Biochemistry</i> (1986) 25:5298-5304.	
	34	FERNANDEZ-SAIZ, M. et al. A Cationic Cyclophane That Forms a Base-Pair Open Complex with RNA Duplexes; <i>J. Am. Chem. Soc.</i> (1996) 118:4739-4745.	
	35	FRANKEL, A.D. Peptide models of the Tat-TAR protein-RNA interaction; <i>Prot. Sci.</i> (1992) 1:1539-1542.	
	36	FUTAMI, J. et al. Optimum Modification for the Highest Cytotoxicity of Cationized Ribonuclease; <i>J. Biochem.</i> (2002) 132:223-228.	
	37	GALLEGO, J. and VARANI, G. Targeting RNA with Small-Molecule Drugs: Therapeutic Promise and Chemical Challenges; <i>Acc. Chem. Res.</i> (2001) 34:10:836-843.	
	38	GALLO, R and MONTAGNIER, L. AIDS in 1988; <i>Sci. Am.</i> (1988) 259:4: 41-48.	
	39	GANACHAUD, F. et al. Adsorption of Single-Stranded DNA Fragments onto Cationic Aminated Latex Particles; <i>Langmuir</i> (1997) 13:701-707.	
	40	GAYLORD, B. S. et al. DNA detection using water-soluble conjugated polymers and peptide nucleic acid probes; <i>Proc. Natl. Acad. Sci. USA</i> (2002) 99:17:10954-10957.	
	41	GAYLORD, B.S. et al. Water-Soluble Conjugated Oligomers: Effect of Chain Length and Aggregation on Photoluminescence-Quenching Efficiencies; <i>J. Am. Chem. Soc.</i> (2001) 123:6417-6418.	
OA	42	GAYLORD, B.S. et al. DNA Hybridization Detection with Water-Soluble Conjugated Polymers and Chromophore-Labeled Single-Stranded DNA; <i>J. Am. Chem. Soc.</i> (2003) 125:896-900.	

Examiner's Signature

Alisa Asinovskiy

Date Considered

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		Filing Date	September 17, 2003
		First Named Inventor	Guillermo C. Bazan
		Art Unit	1641
		Examiner Name	Malanie J. Yu
Sheet	4	of	11
		Attorney Docket Number	

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OA	43	GERSHON, H. et al. Mode of Formation and Structural Features of DNA-Cationic Liposome Complexes Used for Transfection; <i>Biochemistry</i> (1993) 32:7143-7151.	
	44	GIESEN, U. et al. A formula for thermal stability (T_m) prediction of PNA/DNA duplexes; <i>Nucleic Acids Res.</i> (1998) 26:21:5004-5006.	
	45	GÖSSL, L. et al. Molecular Structure of Single DNA Complexes with Positively Charged Dendronized Polymers; <i>J. Am. Chem. Soc.</i> (2002) 124:6860-6865.	G
	46	HAGE, D.S.. Immunoassays; <i>Anal. Chem.</i> (1999) 71:12:294R-304R.	
	47	HANVEY, J.C. et al. Antisense and Antigene Properties of Peptide Nucleic Acids; <i>Science</i> (1992) 258:1481-1485.	
	48	HARADA, A. and KATAOKA, K. Chain Length Recognition: Core-Shall Supramolecular Assembly from Oppositely Charged Block Copolymers; <i>Science</i> (1999) 283:65-67.	
	49	HO, H.A. et al. Colorimetric and Fluorometric Detection of Nucleic Acids Using Cationic Polythiophene Derivatives; <i>Angew. Chem. Int. Ed.</i> (2002) 41:9:1548-1551.	
	50	IZUMRUDOV, V.A. et al. The influence of chain length of a competitive polyanion and nature of monovalent counterions on the direction of the substitution reaction of polyelectrolyte complexes; <i>Makromol. Chem., Rapid Commun.</i> (1988) 9:7-12.	
	51	IZUMRUDOV, V.A. et al. Competitive Reactions in Solutions of DNA and Water-Soluble Interpolyelectrolyte Complexes; <i>Biopolymers</i> (1995) 35:523-531.	
	52	IZUMRUDOV, V.A. et al. Competitive Displacement of Ethidium Cations Intercalated in DNA by Polycations; <i>Dokl. Phys. Chem.</i> (1995) 342:Nos. 4-6: 150-153.	
	53	IZUMRUDOV, V.A. et al. Ethidium Bromide as a Promising Probe for Studying DNA Interaction with Cationic Amphiphiles and Stability of the Resulting Complexes; <i>Langmuir</i> (2002) 18:10348-10356.	
	54	IZUMRUDOV, V.A. et al. Controllable Stability of DNA-Containing Polyelectrolyte Complexes in Water-Salt Solutions; <i>Biopolymers</i> . (1999) 52:94-108.	
	55	IZUMRUDOV, V.A. and ZHIRYAKOVA, M.V. Stability of DNA-containing Interpolyelectrolyte complexes in water-salt solutions; <i>Macromol. Chem. Phys.</i> (1999) 200:11:2533-2540.	
OA	56	JAIN, C. and BELASCO, J.G. Rapid Genetic Analysis of RNA-Protein Interactions by Translational Repression in <i>Escherichia coli</i> ; <i>Methods Enzymol.</i> (2000) 318:309-332.	

Examiner's Signature	<i>Alfonso Asensio</i>	Date Considered	May 5, 2005
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DA	57	JENKINS, Y. and BARTON, J.K. A Sequence-Specific Molecular Light Switch: Tethering of an Oligonucleotide to a Dipyridophenazine Complex of Ruthenium (II); <i>J. Am. Chem. Soc.</i> (1992) 114:8736-8738.	
	58	JOHANSSON, M.K. et al. Intramolecular Dimers: A New Strategy to Fluorescence Quenching in Dual-Labeled Oligonucleotide Probes; <i>J. Am. Chem. Soc.</i> (2002) 124:6950-6956.	
	59	KABANOV, A.V. et al. DNA Interpolyelectrolyte Complexes as a Tool for Efficient Cell Transformation; <i>Biopolymers</i> . (1991) 31:1437-1443.	
	60	KABANOV, A.V. and KABANOV, V.A. DNA Complexes with Polycations for the Delivery of Genetic Material into Cells; <i>Bioconjugate Chem.</i> (1995) 6:7-20.	
	61	KABANOV, V.A. et al. Cooperative Interpolyelectrolyte Reactions; <i>Makromol. Chem. Suppl.</i> (1985) 13:137-155.	
	62	KARN, J. et al. HIV A Practical Approach; RNA binding assays for the regulatory proteins Tat and Rev; <i>IRL Press, New York</i> ; (1995) 9:147-165.	
	63	KATAYOSE, S. and KATAOKA, K. Water-Soluble Polyion Complex Associates of DNA and Poly(ethylene glycol)-Poly(L-lysine) Block Copolymer; <i>Bioconjugate Chem.</i> (1997) 8:702-707.	
	64	KIRCHEIS, R. et al. Tumor targeting with surface-shielded ligand-polycation DNA complexes; <i>J. Controlled Release</i> ; (2001) 72:165-170.	
	65	KIRSH, Yu. E. et al. Comparison of Properties of an Oxime-Bound Partially Quaternized Poly-4-Vinylpyridine and a Monomer Analogous Oxime; <i>Eur. Polym. J.</i> (1974) 10:393-399.	
	66	KNEMEYER, J. et al. Probes for Detection of Specific DNA... <i>Anal. Chem.</i> (2000) 72:3717-3724	
	67	KWON, I.C. et al. Electrically Erodible polymer gel for controlled release of drugs; <i>Nature</i> (1991) 354:291-293.	
	68	LECLERC M. Optical and Electrochemical Transducers Based on Functionalized Conjugated Polymers; <i>Adv. Mater.</i> , (1999) 11:18:1491-1498.	
	69	LEE, M.A. et al. ResonSense®: simple linear fluorescent probes for quantitative homogeneous rapid polymerase chain reaction; <i>Anal. Chim. Acta</i> (2002) 457:61-70.	
DA	70	LE-PECQ, J.B. and PAOLETTI, C. A Fluorescent Complex between Ethidium Bromide and Nucleic Acids; <i>J. Mol. Biol.</i> (1967) 27:87-106.	

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Alpa Asinovsky

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D.A.	71	LEULLIOT, N. and VARANI, G. Current Topics in RNA-Protein Recognition: Control of Specificity and Biological Function through Induced Fit and Conformational Capture; <i>Biochemistry</i> (2001) 40:27:7947-7956.			T ²
	72	LIU, B. et al. Effect of Chromophore-Charge Distance on the Energy Transfer Properties of Water-Soluble Conjugated Oligomers; <i>J. Am. Chem. Soc.</i> (2003) 125:6705-6714.			
	73	MAKINO, S. et al. Molecular Characterization and Protein Analysis of the cap Region, Which is Essential for Encapsulation in <i>Bacillus anthracis</i> ; <i>J. Bacteriol.</i> (1989) 171:2:722-730.			
	74	MANNING, G.S. Thermodynamic Stability Theory for DNA Doughnut Shapes Induced by Charge Neutralization; <i>Biopolymers</i> . (1980) 19:37-59.			
	75	MANNING, G.S. The Possibility of Intrinsic Local Curvature in DNA Toroids; <i>Biopolymers</i> . (1981) 20:1261-1270.			
	76	MANNING, G.S. The molecular theory of polyelectrolyte solutions with applications to the electrostatic properties of polynucleotides; <i>Qrtly Review of Biophysics</i> . (1978) v.11: 179-246.			
	77	MARUYAMA, A. et al. Characterization of Interpolyelectrolyte Complexes between Double-Stranded DNA and Polylysine Comb-Type Copolymers Having Hydrophilic Side Chains; <i>Bioconjugate Chem.</i> (1998) 9:292-299.			
	78	MATSUMOTO, C; et al. High-Throughput Screening Utilizing Intramolecular Fluorescence Resonance Energy Transfer for the Discovery of the Molecules that Bind HIV-1 TAR RNA Specifically; <i>Bioorg. Med. Chem. Lett.</i> (2000) 10:1857-1861.			
	79	MCLOUGHLIN, D.M. et al. A simple and effective separation and purification procedure for DNA fragments using Dodecytrimethylammonium bromide; <i>Bioseparation</i> . (2001) 9:307-313.			
	80	MCQUADE, D.T. et al. Conjugated Polymer-Based Chemical Sensors; <i>Chem. Rev.</i> (2000) 100:2537-2574.			
	81	MCQUADE, D.T. et al. Signal amplification of a "Turn-On" Sensor: Harvesting the Light Captured by a Conjugated Polymer; <i>J. Am. Chem. Soc.</i> (2000) 122:12389-12390.			
	82	MEL'NIKOV, S.M. et al. Discrete Coil - Globule Transition of Large DNA Induced by Cationic Surfactant; <i>J. Am. Chem. Soc.</i> (1995) 117:2401-2408.			
	83	MERGNY, J.L. et al. Fluorescence Energy Transfer between Two Triple Helix-Forming Oligonucleotides Bound to Duplex DNA; <i>Biochemistry</i> . (1994) 33:15321-15328.			
D.A.	84	MAIO, Y.J. et al. Photophysics of Poly(paracyclophan-1-ene) and Derivatives: Evidence for Intrachain Energy Transfer and Chromophore Aggregation; <i>J. Am. Chem. Soc.</i> (1995) 117:11407-11420.			

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D. A. ASINOSKY

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	86	MINEHAN, D.S. et al. Kinetics of DNA Binding to Electrically Conducting Polypyrrole Films; <i>Macromolecules</i> . (1994) 27:777-783.				
	87	MORGAN, A.R. and PULLEYBLANK, D.E. Native and Denatured DNA, Cross-Linked and Palindromic DNA and Circular Covalently-Closed DNA Analysed by a Sensitive Fluorometric Procedure; <i>Biochem. Biophys. Res. Commun.</i> . (1974) 61:2:396-403.				
	88	NIELSEN, P.E. Applications of peptide nucleic acids, <i>Analytical biotechnology</i> . (1999) 10:71-75.				
	89	NGUYEN, H-K, et al. Nonviral Transfer Technology: Evaluation of polyether-polyethyleneimine graft copolymers as gene transfer agents; <i>Gene Ther.</i> (2000) 7:126-138.				
	90	NISHANIAN, P. et al. A Simple Method for Improved Assay Demonstrates that HIV p24 Antigen is Present as Immune Complexes in Most Sera from HIV-Infected Individuals; <i>J. Infect. Dis.</i> (1990) 162:21-28.				
	91	NUOVO, G.J. <i>In Situ</i> Localization of PCR-Amplified DNA and cDNA; <i>Methods Mol. Bio.</i> (2000) 123:217-238.				
	92	OLINS, D.E. et al. Model Nucleoprotein Complexes: Studies on the Interaction of Cationic Homopeptides with DNA; <i>J. Mol. Biol.</i> (1967) 24:157-176.				
	93	PASTERNACK, R.F. et al. Long-Range Fluorescence Quenching of Ethidium Ion by Cationic Porphyrins in the Presence of DNA; <i>J. Am. Chem. Soc.</i> (1991) 113:6835-6840.				
	94	PATOLSKY, F. et al. Amplified DNA Detection by Electrogenerated Biochemiluminescence and by the Catalyzed Precipitation of an Insoluble Product on Electrodes in the Presence of the Doxorubicin Intercalator; <i>Angew. Chem. Int. Ed.</i> (2002) 41:18:3398-3402.				
O.A.	95	PATOLSKY, F. et al. Electronic Transduction of DNA Sensing Processes on Surfaces: Amplification of DNA Detection and Analysis of Single-Base Mismatches by Tagged Liposomes; <i>J. Am Chem. Soc.</i> (2001) 123:5194-5205.				

Examiner's Signature	O.A. Asinovsky	Date Considered	May 5, 2005
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Substitute for form 1449/PTO		Complete if Known			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number	10/666,333		
		Filing Date	September 17, 2003		
		First Named Inventor	Guillermo C. Bazan		
		Art Unit	1641		
		Examiner Name	Malanie J. Yu		
Sheet	8	of	11	Attorney Docket Number	51871-000005

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials**	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher city and/or country where published			
missing	96	PETERLINZ, K.P. et al. Observation of Hybridization and Dehybridization of Thiol-Tethered DNA using Two-Color Surface Plasmon Resonance Spectroscopy; <i>J. Am. Chem. Soc.</i> (1997) 119:3401-3402.			
DA	97	PETTY, J.T. et al. Thermodynamic Characterization of the Association of Cyanine Dyes with DNA; <i>J. Phys. Chem. B.</i> (2000) 104:7221-7227.			
	98	PILIPENKO, E.V. et al. A cell cycle-dependent protein serves as a template-specific translation initiation factor; <i>Genes & Dev.</i> (2000) 14:2028-2045.			
	99	PINTO, M.R. and SCHANZE, K.S. Conjugated Polyelectrolytes: Synthesis and Applications; <i>Synthesis</i> . (2002) 9:1293-1309.			
	100	PLANK, C. et al. Branched Cationic Peptides for Gene Delivery: Role of Type and Number of Cationic Residues in Formation and <i>in Vitro</i> Activity of DNA Polyplexes; <i>Hum. Gene Ther.</i> (1999) 10:319-332.			
	101	PORTELA, A. and DIGARD, P. The influenza virus nucleoprotein: a multifunctional RNA-binding protein pivotal to virus replication; <i>J. Gen. Virol.</i> (2002) 83:723-734.			
	102	PUGLISI, J.D. et al. Conformation of the TAR RNA-Arginine Complex by NMR Spectroscopy; <i>Science</i> . (1992) 257:76-80.			
	103	PULLMAN, B. et al. Two Aspects of DNA Polymorphism and Microheterogeneity: Molecular Electrostatic Potential and Steric Accessibility; <i>J. Biochem.</i> (1982) 124:229-238.			
	104	RICHTER, S. et al. Specific HIV-1 TAR RNA Loop Sequence and Functional Groups are Required for Human Cyclin T1-Tat-TAR Ternary Complex Formation; <i>Biochemistry</i> . (2002) 41:6391-6397.			
	105	SAGHATELIAN, A. et al. DNA Detection and Signal Amplification via an Engineered Allosteric Enzyme; <i>J. Am. Chem. Soc.</i> (2003) 125:344-345.			
	106	SAIKI, R.K. et al. Enzymatic Amplification of β-Globin Genomic Sequences and Restriction Site Analysis for Diagnosis of Sickle Cell Anemia; <i>Science</i> . (1985) 230:1350-1354.			
DA	107	SCHORK, N.J. et al. Single nucleotide polymorphisms and the future of genetic epidemiology; <i>Clin. Genet.</i> (2000) 58:250-264.			

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Sheet	9	of	11	Attorney Docket Number	
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O.A.	108	SEYMOUR, L.W. et al. Cationic block copolymers as self-assembling vectors for gene delivery; <i>Self-assembling Complexes for Gene Delivery</i> ; (1998) 11:219-239.	
	109	SHINOZUKA, K. et al. A Novel Multifunctionality Labelled DNA Probe Bearing an Intercalator and a Fluorophore; <i>J. Chem. Soc., Chem. Commun.</i> (1994) 1377-1378.	
	110	DE SMEDT, S.C. et al. Cationic Polymer Based Gene Delivery Systems; <i>Pharm. Res.</i> (2000) 17:2:113-126.	
	111	SMITH, J.O. et al. Molecular Recognition of PNA-Containing Hybrids: Spontaneous Assembly of Helical Cyanine Dye Aggregates on PNA Templates; <i>J. Am. Chem. Soc.</i> (1999) 121:2686-2695.	
	112	SMITH, P. et al. Surfactant structure around DNA in aqueous solution; <i>Phys. Chem. Chem. Phys.</i> (2000) 2:1305-1310.	
	113	STENDER, H. et al. PNA for rapid microbiology; <i>J. Microbiological Methods.</i> (2002) 48:1-17.	
	114	STORK, M. et al. Energy Transfer in Mixtures of Water-Soluble Oligomers: Effect of Charge, Aggregation, and Surfactant Complexation; <i>Adv. Mater.</i> (2002) 14:5:361-366.	
	115	SU, X. et al. Au nanoparticle- and silver-enhancement reaction-amplified microgravimetric biosensor; <i>Chem. Commun.</i> (2001) 755-756.	
	116	SULLENGER, B.A. and GILBOA, E. Emerging clinical applications of RNA; <i>Nature.</i> (2002) 418:252-258.	
	117	TAKAKUSA, H. et al. Design and Synthesis of an Enzyme-Cleavable Sensor Molecule for Phosphodiesterase Activity Based on Fluorescence Resonance Energy Transfer; <i>J. Am. Chem. Soc.</i> (2002) 124:8:1653-1657.	
	118	TAMILARASU, N. et al. A New Strategy for Site-Specific Protein Modification: Analysis of a Tat Peptide-TAR RNA Interaction; <i>Bioconjugate Chem.</i> (2001) 12:2:135-138.	
	119	TANG, M.X. and SZOKA, F.C. The influence of polymer structure on the interactions of cationic polymers with DNA and morphology of the resulting complexes; <i>Gene Ther.</i> (1997) 4:823-832.	
O.A.	120	DEMERS, L.M. et al. Thermal Desorption; J. Am. Chem. Soc. (2002) 124, 11248-11249	
	121	TATON, T.A. et al. Scannometric DNA Array Detection with Nanoparticle Probes; <i>Science.</i> (2000) 289:1757-1760.	

Examiner's Signature	<i>Alpha Asinovsky</i>	Date Considered	May 5, 2005
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				Filing Date	September 17, 2003
				First Named Inventor	Guillermo C. Bazan
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				Examiner Name	Malanie J. Yu
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DA	122	TATON, T.A. et al. Two-Color Labeling of Oligonucleotide Arrays via Size-Selective Scattering of Nanoparticle Probes; <i>J. Am. Chem. Soc.</i> (2001) 123:5164-5165.			
	123	TOMAC, S. et al. Ionic Effects on the Stability and Conformation of Peptide Nucleic Acid Complexes; <i>J. Am. Chem. Soc.</i> (1996) 118:5544-5552.			
	124	TRASER, S. et al. Syntheses and solution properties of water-soluble poly(p-phenylene)s bearing oligo(ethylene oxide) and trialkylamino side groups; <i>e-Polymers.</i> (2002) 32:1-39.			
	125	UMEK, R.M. et al. Electronic Detection of Nucleic Acids - A Versatile Platform for Molecular Diagnostics; <i>J. Mol. Diag.</i> (2001) 3:2:74-84.			
	126	VAISHNAV, Y.N. and WONG-STAALE, F. The Biochemistry of AIDS; <i>Ann. Rev. Biochem.</i> (1991) 60:577-630.			
	127	VARANI, G. RNA-Protein Intermolecular Recognition; <i>Acc. Chem. Res.</i> (1997) 30:5:189-195.			
	128	VINOGRADOV, S.V. et al. Self-Assembly of Polyamine-Poly(ethylene glycol) Copolymers with Phosphorothioate Oligonucleotides; <i>Bioconjugate Chem.</i> (1998) 9:805-812.			
	129	WANG, J. et al. Photoluminescence of Water-Soluble Conjugated Polymers: Origin of Enhanced Quenching by Charge Transfer; <i>Macromolecules.</i> (2000) 33:5153-5158.			
	130	WANG, J. et al. DNA Electrochemical Biosensor for the Detection of Short DNA Sequences Related to the Human Immunodeficiency Virus; <i>Anal. Chem.</i> (1996) 68:15:2629-2634.			
	131	ISOLA, N.R. et al. Surface-Enhanced Raman Gene Probe for HIV Detection; <i>Anal. Chem.</i> (1998) 70:1352-1356.			
	132	WANG, J. Survey and Summary From DNA biosensors to gene chips; <i>Nucleic Acid Res.</i> (2000) 28:16:3011-3016.			
	133	WANG, J. et al. Dendritic Nucleic Acid Probes for DNA Biosensors; <i>J. Am. Chem. Soc.</i> (1998) 120:8281-8282.			
	134	WANG, J. et al. Synthesis of AB(BA), ABA and BAB Block Copolymers of tert-Butyl Methacrylate (A) and Ethylene Oxide (B); <i>J. Polym. Sci., Part A: Polym. Chem.</i> (1992) 30:2251-2261.			
	135	WANG, Y. et al. Interaction of DNA with Cationic Micelles: Effects of Micelle Surface Charge Density, Micelle Shape, and Ionic Strength on Complexation and DNA Collapse; <i>Langmuir.</i> (2001) 17:1670-1673.			
	136	WARING, M. J. Complex Formation between Ethidium Bromide and Nucleic Acids; <i>J. Mol. Biol.</i> (1965) 13:269-282.			
DA	137	WEEKS, K.M. et al. Fragments of the HIV-1 Tat Protein Specifically Bind TAR RNA; <i>Science.</i> (1990) 249:1281-1285.			

Examiner's Signature

Alfonso Asinovski

Date Considered

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				Filing Date	September 17, 2003
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CA	138	WHITCOMBE, D. et al. Detection of PCR products using self-probing amplicons and fluorescence; <i>Nat. Biotechnol.</i> (1999) 17:804-807.	
	139	WOLFERT, M.A. et al. Polyelectrolyte Vectors for Gene Delivery: Influence of Cationic Polymer on Biophysical Properties of Complexes Formed with DNA; <i>Bioconjugate Chem.</i> (1999) 10:993-1004.	
	140	WYMAN, T.B. et al. Design, Synthesis, and Characterization of a Cationic Peptide that Binds to Nucleic Acids and Permeabilizes Bilayers; <i>Biochemistry</i> . (1997) 36:3008-3017.	
	141	XU, X.H. and BARD, A.J. Immobilization and Hybridization of DNA on an Aluminum(III) Alkanebisphosphonate Thin Film with Electrogenerated Chemiluminescent Detection; <i>J. Am. Chem. Soc.</i> (1995) 117:2627-2631.	
	142	YANG, J.S. and SWAGER, T.M. Fluorescent Porous Polymer Films as TNT Chemosensors: Electronic and Structural Effects; <i>J. Am. Chem. Soc.</i> (1998) 120:11864-11873.	
DA	143	JUNHUI, Z. et al. DNA Based Biosensors; <i>Biotechnol. Adv.</i> (1997) 15:43-58.	
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Dale Asinowski

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